EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	310718	(mixer or (down adj conver$4) or (up adj conver$4) or (frequency adj translat$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L2	497788	(oscillator or LO)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L3	23647	(diode near5 (threshold or (turn adj on) or turnon or limit or minimum))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L4	22429	(((direct adj current) or DC) near5 diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L5	4343	(455/127.1.ccls. or 455/130.ccls. or 455/169.2.ccls. or 455/180.4. ccls. or 455/189.1.ccls. or 455/193.3.ccls. or 455/209.ccls. or 455/257.ccls. or 455/313.ccls. or 455/318.ccls. or 455/325.ccls. or 455/326.ccls. or 455/330.ccls. or 455/343.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L6	140	(L1 and L2 and L3 and L4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L7	170	((three adj pair) near5 measur$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L8	1302	(reciproc$5 near3 conversion)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L9	1572	(327/524.ccls. or 327/530.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45

EAST Search History

L10	2	"5157786".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L11	2	"5337014".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L12	2	"5678225".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L13	2	"5937006".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L14	20	L6 and L5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L15	21	(L1 and L2 and L3 and L4) and (down adj conver$4) and (up adj conver$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L16	39	((three adj pair) near5 measur$4) and mix$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L17	2	L8 and (L5 or L9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L18	43	L1 and L8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L19	140	(L1 and L2 and L3 and L4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45

EAST Search History

L20	282	((reciproc$5 or symmetric$5 or identical) with (down adj conver$4) with (down adj conver$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L21	171	((reciproc$5 or symmetric$5 or identical) with (down adj conver$4) with (down adj conver$4)) and mix$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L22	40826	((DC or (direct adj current)) near5 bias$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L23	3873	((DC or (direct adj current)) near5 bias$3) with diode	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L24	60	((DC or (direct adj current)) near5 bias$3) with (mix$3 near3 diode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 09:45
L25	47	((DC or (direct adj current)) near5 bias$3) with diode with (separate or dedicated)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 11:45
L26	90	((DC or (direct adj current)) near5 bias$3) with diode with (respective or unique)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 12:19

Interference Search

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(mix$3 with (reciproc$5 or symmetric$5 or identical$3) with capacit$4 with diode with bias$3 with volt$3).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/11 12:28

Results for "((mixer <and> bias <and> diode)<in>metadata)" e-mail
Your search matched **98** of **1348795** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

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((mixer <and> bias <and> diode)<in>metadata) Search

Check to search only within this results set

Display Format: (•) Citation ( ) Citation & Abstract

» Key

	Indicates full text access
IEEE JNL	IEEE Journal or Magazine
IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

view selected items Select All Deselect All View: **1-25** | 26-

☐ **1. InGaAs-based MM-wave integrated subharmonic mixer exhibiting low inp requirement and low noise characteristics**
Marsh, P.; Hong, K.; Pavlidis, D.;
Indium Phosphide and Related Materials, 1996. IPRM '96., Eighth Internationa
21-25 April 1996 Page(s):57 - 60
Digital Object Identifier 10.1109/ICIPRM.1996.491933
Abstract | Full Text: PDF(420 KB) **IEEE CNF**
Rights and Permissions

☐ **2. Fabrication and performance of separately-biasable antiparallel-pair "T-a diodes employing a compact multiple-layer integrated bias circuit at 210**
Lee, T.-H.; Humphrey, D.A.; Dengler, R.J.; Mehdi, I.; Martin, S.C.; Pease, A.; C Smith, R.P.; Siegel, P.H.;
Microwave Symposium Digest, 1996., IEEE MTT-S International
Volume 1, 17-21 June 1996 Page(s):381 - 384 vol.1
Digital Object Identifier 10.1109/MWSYM.1996.508535
Abstract | Full Text: PDF(432 KB) **IEEE CNF**
Rights and Permissions

☐ **3. Microwave mixers based on a novel zero bias diode**
Poppe, M.; Kleen, D.; Janson, H.; Zirath, H.; Adahl, A.;
Compound Semiconductor Integrated Circuit Symposium, 2004. IEEE
24-27 Oct. 2004 Page(s):264 - 267
Abstract | Full Text: PDF(605 KB) **IEEE CNF**
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☐ **4. Low-parasitic, planar Schottky diodes for millimeter-wave integrated circ**
Archer, J.W.; Batchelor, R.A.; Smith, C.J.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 38, Issue 1, Jan. 1990 Page(s):15 - 22
Digital Object Identifier 10.1109/22.44151
Abstract | Full Text: PDF(676 KB) **IEEE JNL**
Rights and Permissions

☐ **5. A simple method for the evaluation of microwave mixer diodes**
Zaghloul, H.; van Kalleveen, T.H.T.; Hansen, C.H.; Buckmaster, H.A.;
Instrumentation and Measurement, IEEE Transactions on
Volume 39, Issue 6, Dec 1990 Page(s):928 - 932

Digital Object Identifier 10.1109/19.65800

Abstract | Full Text: PDF(320 KB) **IEEE JNL**
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☐ **6. An even harmonic mixer using self-biased anti-parallel diode pair**
Shimozawa, M.; Katsura, T.; Maeda, K.; Taniguchi, E.; Ikushima, T.; Suematsu
Isota, Y.; Takagi, T.;
Microwave Symposium Digest, 2002 IEEE MTT-S International
Volume 1, 2-7 June 2002 Page(s):253 - 256
Digital Object Identifier 10.1109/MWSYM.2002.1011605

Abstract | Full Text: PDF(418 KB) **IEEE CNF**
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☐ **7. A novel biased anti-parallel Schottky diode structure for subharmonic mi**
Trong-Huang Lee; Chen-Yu Chi; East, J.R.; Rebeiz, G.M.; Haddad, G.I.;
Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and Wi
Components Letters]
Volume 4, Issue 10, Oct. 1994 Page(s):341 - 343
Digital Object Identifier 10.1109/75.324710

Abstract | Full Text: PDF(208 KB) **IEEE JNL**
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☐ **8. MOVPE-grown millimeter-wave InGaAs mixer diode technology and char**
Marsh, P.; Pavlidis, D.; Hong, K.;
Electron Devices, IEEE Transactions on
Volume 44, Issue 7, July 1997 Page(s):1066 - 1075
Digital Object Identifier 10.1109/16.595933

Abstract | Full Text: PDF(380 KB) **IEEE JNL**
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☐ **9. On the effect of IF power nulls in Schottky diode harmonic mixers**
Feinaugle, R.; Hubers, H.-W.; Roser, H.P.; Hesler, J.L.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 50, Issue 1, Part 1, Jan. 2002 Page(s):134 - 142
Digital Object Identifier 10.1109/22.981257

Abstract | Full Text: PDF(178 KB) **IEEE JNL**
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☐ **10. A Q-band monolithic balanced diode mixer using AlGaAs/GaAs HEMT an**
Chen, T.H.; Ton, T.N.; Dow, G.S.; Nakano, K.; Liu, L.C.T.; Berenz, J.;
Microwave Symposium Digest, 1990., IEEE MTT-S International
8-10 May 1990 Page(s):895 - 898 vol.2
Digital Object Identifier 10.1109/MWSYM.1990.99722

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☐ **11. Design and measurements of a 210 GHz subharmonically pumped GaAs**
Siegel, P.H.; Weinreb, S.; Duncan, S.; Berk, W.; Eskandarian, A.; Tu, D.-W.;
Microwave Symposium Digest, 1992., IEEE MTT-S International
1-5 June 1992 Page(s):603 - 606 vol.2
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☐ **12. A quasi-optical subharmonically-pumped receiver using separately biase diode pairs**
Trong-Huang Lee; Chen-Yu Chi; East, J.R.; Rebeiz, G.M.; Haddad, G.I.;
Microwave Symposium Digest, 1994., IEEE MTT-S International
23-27 May 1994 Page(s):783 - 786 vol.2

Digital Object Identifier 10.1109/MWSYM.1994.335239

Abstract | Full Text: PDF(484 KB) **IEEE CNF**
Rights and Permissions

☐ **13. High-sensitivity receiver for infrared laser communications**
Peyton, B.; DiNardo, A.; Kanischak, G.; Arams, F.; Lange, R.; Sard, E.;
Quantum Electronics, IEEE Journal of
Volume 8, Issue 2, Part 1, Feb 1972 Page(s):252 - 263

Abstract | Full Text: PDF(3792 KB) **IEEE JNL**
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☐ **14. Characteristics of metal-insulator-metal diodes as generators of far-infra**
Odashima, H.; Yamamoto, K.; Matsushima, F.; Tsunekawa, S.; Takagi, K.;
Quantum Electronics, IEEE Journal of
Volume 32, Issue 2, Feb. 1996 Page(s):350 - 356
Digital Object Identifier 10.1109/3.481883

Abstract | Full Text: PDF(660 KB) **IEEE JNL**
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☐ **15. A comparison of planar doped barrier diode performance versus Schottk performance in a single balanced, MIC mixer with low LO drive**
Poelker, J.N.; Robertson, R.S.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 43, Issue 6, June 1995 Page(s):1241 - 1246
Digital Object Identifier 10.1109/22.390178

Abstract | Full Text: PDF(484 KB) **IEEE JNL**
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☐ **16. An actively balanced GaAs HBT-Schottky mixer for 3-V wireless applicati**
Kobayashi, K.W.; Tran, L.T.; Oki, A.K.; Lammert, M.; Block, T.R.; Streit, D.C.;
Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and Wi Components Letters]
Volume 7, Issue 7, July 1997 Page(s):181 - 183
Digital Object Identifier 10.1109/75.594857

Abstract | Full Text: PDF(64 KB) **IEEE JNL**
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☐ **17. New approach to the design and the fabrication of THz Schottky barrier d**
Jelenski, A.; Grub, A.; Krozer, V.; Hartnagel, H.L.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 41, Issue 4, April 1993 Page(s):549 - 557
Digital Object Identifier 10.1109/22.231645

Abstract | Full Text: PDF(760 KB) **IEEE JNL**
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☐ **18. A 640 GHz planar-diode fundamental mixer/receiver**
Siegel, P.H.; Mehdi, I.; Dengler, R.J.; Lee, T.H.; Humphrey, D.A.; Pease, A.; Zi Zimmermann, P.;
Microwave Symposium Digest, 1998 IEEE MTT-S International
Volume 2, 7-12 June 1998 Page(s):407 - 410 vol.2
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☐ **19. Design and fabrication of ultra-small GaAs Schottky barrier diodes for lo tetrahertz receiver applications**
Peatman, W.C.; Crowe, T.W.;
High Speed Semiconductor Devices and Circuits, 1989. Proceedings., IEEE/C on Advanced Concepts in

7-9 Aug. 1989 Page(s):390 - 398
Digital Object Identifier 10.1109/CORNEL.1989.79857

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☐ **20. Inherent Signal Losses in R.esistive-Diode Mixers**
Hines, M.E.;
Microwave Theory and Techniques, IEEE Transactions on
Volume 29, Issue 4, Apr 1981 Page(s):281 - 292

Abstract | Full Text: PDF(1176 KB) **IEEE JNL**
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☐ **21. On the relationship between Schottky barrier capacitance and mixer perf cryogenic temperatures**
Romanofsky, R. R.;
Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and Wi Components Letters]
Volume 6, Issue 8, Aug. 1996 Page(s):286
Digital Object Identifier 10.1109/75.508555

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☐ **22. An 18-22-GHz down-converter based on GaAs/AlGaAs HBT-Schottky dio technology**
Kobayashi, K.W.; Tran, L.T.; Oki, A.K.; Lammert, M.; Block, T.R.; Streit, D.C.;
Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and Wi Components Letters]
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Digital Object Identifier 10.1109/75.563634

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☐ **23. A monolithic 94 GHz balanced mixer**
Adelseck, B.; Dieudonne, J.M.; Schmegner, K.E.; Colquhoun, A.; Ebert, G.; Se
Microwave Symposium Digest, 1990., IEEE MTT-S International
8-10 May 1990 Page(s):193 - 196 vol.1
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☐ **24. Temperature variable noise and electrical characteristics of Au-Ga-As Sc millimeter-wave mixer diodes**
Zirath, H.H.G.; Nilsen, S.M.; Hjelmgren, H.; Ramberg, L.P.; Kollberg, E.L.;
Microwave Theory and Techniques, IEEE Transactions on
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Digital Object Identifier 10.1109/22.8909

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☐ **25. Microwave PtSi-Si Schottky-barrier-detector diode fabrication using an ir layer on high-resistivity silicon substrate**
Yunghong Wu; Armstrong, B.M.; Gamble, H.S.; Zhirun Hu; Qiang Chen; Suido V.F.; Stewart, J.A.C.;
Microwave Theory and Techniques, IEEE Transactions on
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Digital Object Identifier 10.1109/22.668676

Abstract | Full Text: PDF(180 KB) **IEEE JNL**
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